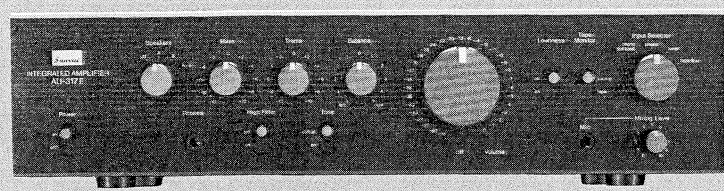
SERVICE MANUAL

INTEGRATED STEREO AMPLIFIER

SANSUI AU-117II
AU-217II
AU-317II



Sansui

SANSUI ELECTRIC CO., LTD.

SPECIFICATIONS

● AU-117II

Power output
Min. RMS, both channels driven, from 20 to 20,000 Hz, with no more than 0.17 % harmonic distortion.
25 watts per channel into 8 ohms
Load impedance . . . . 8 ohms
Total harmonic distortion
. . . . . less than 0.17 % at or below rated min. RMS power output
Intermodulation distortion (70 Hz : 7 kHz = 4:1 SMPTE method) . . . . . less than 0.17 % at or below rated min. RMS power output
Frequency response (at 1 watt)
. . . . . 10 to 40,000 Hz +0.5 dB –2 dB
Damping factor . . . . . approximately 50 at 8 ohms load
RIAA curve deviation (PHONO)
. . . . . +0.5 dB –0.5 dB (30 to 15,000 Hz)
Input sensitivity and impedance (1 kHz, for rated power output)
PHONO . . . . . 2.5 mV/47 kilohms
(Max. input capability; 160 mV at 1 kHz, less than 0.2 % total harmonic distortion)
AUX, TAPE . . . . . 150 mV/47 kilohms
Output level (1,000 Hz)
TAPE REC (pin jack)
. . . . . 150 mV/47 kilohms
Channel separation (1 kHz, at rated power output)
PHONO . . . . . better than 65 dB
AUX . . . . . better than 68 dB
Hum and noise (short-circuit, A-network)
PHONO . . . . . 76 dB
AUX . . . . . 95 dB
Controls
BASS . . . . . ±12 dB (50 Hz)
TREBLE . . . . . ±11 dB (15 kHz)
HIGH FILTER . . . –3 dB (7 kHz), 6 dB/oct
LOUDNESS (–30 dB)
. . . . . 8 dB at 50 Hz
6 dB at 10 kHz
Power requirements
Power voltage . . . . 100, 120, 220, 240 V (50/60 Hz)
For U.S.A. and Canada
. . . . . 120 V (60 Hz)
Power consumption . . 80 watts
Dimensions . . . . . 430 mm (16-15/16") W
110 mm (4-3/8") H
340 mm (13-7/16") D
Weight . . . . . 6.7 kg (14.8 lbs) net
8.2 kg (18.1 lbs) packed

● AU-217II

Power output
Min. RMS, both channels driven, from 20 to 20,000 Hz, with no more than 0.06 % harmonic distortion.
40 watts per channel into 8 ohms
Load impedance . . . . 8 ohms
Total harmonic distortion
. . . . . less than 0.06 % at or below rated min. RMS power output
Intermodulation distortion (70 Hz : 7 kHz = 4:1 SMPTE method) . . . . . less than 0.06 % at or below rated min. RMS power output
Frequency response (at 1 watt)
. . . . . 10 to 50,000 Hz +0.5 dB –1.5 dB
Damping factor . . . . . approximately 80 at 8 ohms load
RIAA curve deviation (PHONO)
. . . . . +0.5 dB –0.5 dB (30 to 15,000 Hz)

to be continued ▶

<AU-217II>

Input sensitivity and impedance (1 kHz, for rated power output)
- PHONO . . . . . 2.5 mV/47 kilohms
  (Max. input capability; 200 mV at 1 kHz, less than 0.05 % total harmonic distortion)
- AUX, TAPE . . . . . 150 mV/47 kilohms

Output level (1,000 Hz)
- TAPE REC (pin jack) . . . . . 150 mV/47 kilohms

Channel separation (1 kHz, at rated power output)
- PHONO . . . . . better than 65 dB
- AUX . . . . . better than 68 dB

Hum and noise (short-circuit, A-network)
- PHONO . . . . . 76 dB
- AUX . . . . . 95 dB

Controls
- BASS . . . . . ±12 dB (50 Hz)
- TREBLE . . . . . ±11 dB (15 kHz)
- PHONO SUBSONIC . . . . . −3 dB (13 Hz), 6 dB/oct
- HIGH FILTER . . . −3 dB (7 kHz), 6 dB/oct
- LOUDNESS (−30 dB) . . . . . 8 dB at 50 Hz, 6 dB at 10 kHz

Power requirements
- Power voltage . . . . 100, 120, 220, 240 V (50/60 Hz)
  For U.S.A. and Canada . . . . . 120 V (60 Hz)
- Power consumption 120 watts

Dimensions . . . . . 430 mm (16-15/16") W, 110 mm (4-3/8") H, 340 mm (13-7/16") D

Weight . . . . . 8.3 kg (18.3 lbs) net, 9.8 kg (21.6 lbs) packed

● AU-317II

Power output
Min. RMS, both channels driven, from 20 to 20,000 Hz, with no more than 0.03 % harmonic distortion.
60 watts per channel into 8 ohms

Load impedance . . . . 8 ohms

Total harmonic distortion . . . . . less than 0.03 % at or below rated min. RMS power output

Intermodulation distortion (70 Hz : 7 kHz = 4:1 SMPTE method) . . . . . less than 0.03 % at or below rated min. RMS power output

Frequency response (at 1 watt) . . . . . 5 to 70,000 Hz +0 dB −1.8 dB

Damping factor (1 kHz, both channels driven) . . . . . 70 into 8 ohms

RIAA curve deviation (PHONO, 20 Hz to 20 kHz) . . . . . +0.2 dB, −0.2 dB

Input sensitivity and impedance (1 kHz)
- PHONO . . . . . 2.5 mV/47 kilohms
  (Max. input capability; 220 mV at 1 kHz, less than 0.08 % total harmonic distortion)
- AUX, TAPE . . . . . 150 mV/47 kilohms
- MIC . . . . . 8 mV/10 kilohms

Output level and impedance (1,000 Hz)
- TAPE REC . . . . . 150 mV/47 kilohms

Channel separation (1 kHz, at rated power output)
- PHONO . . . . . better than 65 dB
- AUX . . . . . better than 75 dB

Hum and noise (short-circuit, A-network)
- PHONO . . . . . 77 dB
- TAPE/AUX . . . . . 100 dB

Controls
- BASS . . . . . ±11 dB (50 Hz)
- TREBLE . . . . . ±10 dB (15 kHz)
- PHONO SUBSONIC . . . . . −3 dB (13 Hz), 6 dB/oct
- HIGH FILTER . . . −3 dB (7 kHz), 6 dB/oct
- LOUDNESS (VOLUME control: −30 dB) . . . . . 9 dB at 50 Hz, 7 dB at 10 kHz

Power requirements
- Power voltage . . . . 100, 120, 220, 240 V (50/60 Hz)
  For U.S.A. and Canada . . . . . 120 V (60 Hz)
- Power consumption
  Maximum consumption . . . . . 180 watts
  Rated consumption . . . . . 180 watts 220 VA

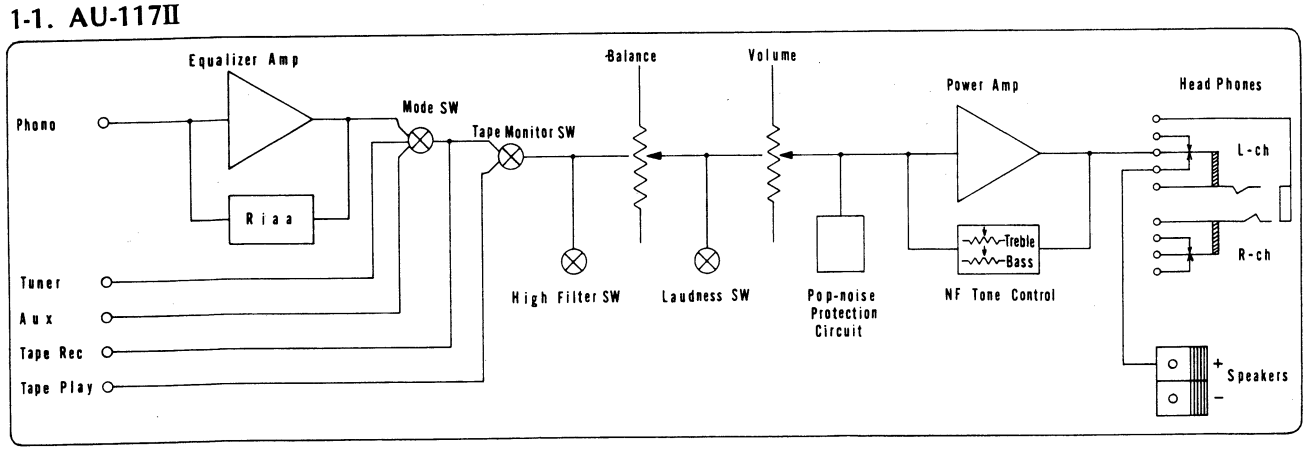
Dimensions . . . . . 430 mm (16-15/16") W, 110 mm (4-3/8") H, 340 mm (13-7/16") D

Weight . . . . . 9.8 kg (21.6 lbs) net, 11.3 kg (24.9 lbs) packed

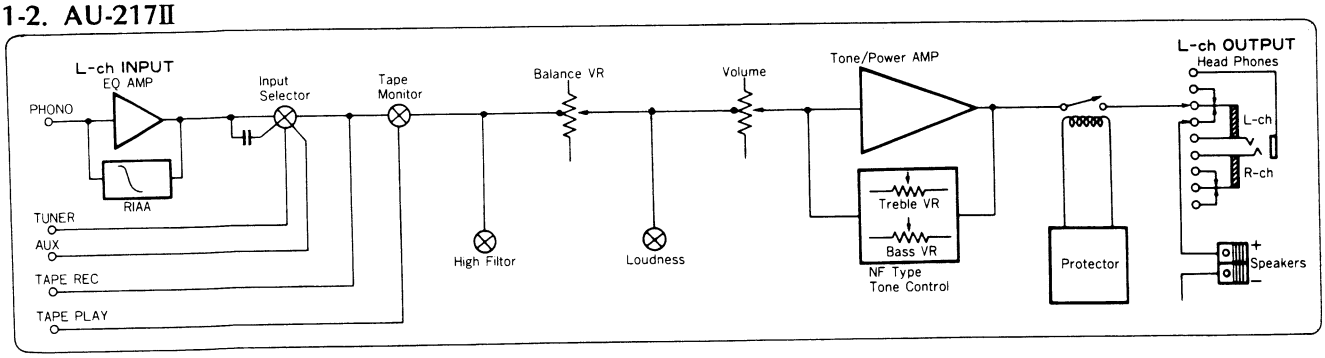
* **Design and specifications subject to change without notice for improvements.**

1. BLOCK DIAGRAM

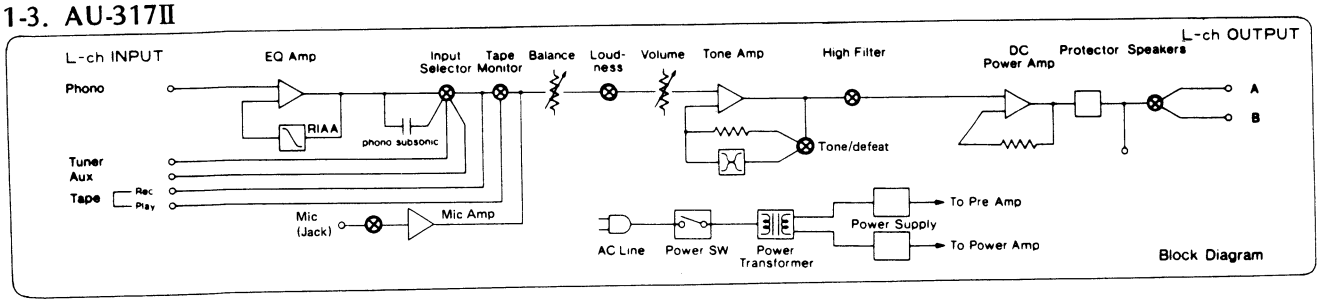
1-1. AU-117II



1-2. AU-217II



1-3. AU-317II



2. ADJUSTMENTS

Note: 1. Master Volume . . . . . Minimum
2. Room Temperature . . . . . 18°C ~ 28°C (65°F ~ 83°F)

2-1. AU-117II

A) Bias Current adjustment (see the picture of Bottom View on page 7)

Note: 1. By turning adjustment volumes, VR05 and VR06 counterclockwise, the bias current is decreased.

	EQUIPMENT	MEASURE OUTPUT	ADJUST	ADJUST FOR
L-ch	DC Volt Meter	Between TP01 (+) and TP03 (–) F-2728	VR05 F-2728	13 mV
R-ch	DC Volt Meter	Between TP02 (+) and TP04 (–) F-2728	VR06 F-2728	13 mV

2-2. AU-217II

A) Bias Current adjustment (see the picture of Top View on page 8)

Note: 1. By turning adjustment volumes, VR01 and VR02 counterclockwise, the bias current is decreased.

	EQUIPMENT	MEASURE OUTPUT	ADJUST	ADJUST FOR
L-ch	DC Volt Meter	TP Terminal (+) (–) of F-2760	F-2760 VR01	7 mV
R-ch	DC Volt Meter	TP Terminal (+) (–) of F-2760	F-2760 VR02	7 mV

3. For adjustment, run the unit for more than 3 minutes after the power is switched on.

2-3. AU-317II

A) DC 0V adjustment (see the picture of Top View on page 8)

Note: At first, set VR01, VR03 for L-CH and VR02, VR04 for R-CH to center position, then make the rough adjustment by VR03, VR04 and fine adjust by VR01, VR02.

	EQUIPMENT	MEASURE OUTPUT	ADJUST	ADJUST FOR
L-ch	DC Volt Meter	Speaker Terminal between (+) and (–)	F-2754 VR03, VR01	DC 0V
R-ch	DC Volt Meter	Speaker Terminal between (+) and (–)	F-2754 VR04, VR02	DC 0V

B) Bias Current adjustment (see the picture of Top View on page 8)

Note: 1. By turning adjustment volumes, VR05 and VR06 counterclockwise, the bias current is decreased.

	EQUIPMENT	MEASURE OUTPUT	ADJUST	ADJUST FOR
L-ch	DC Volt Meter	Between TP01 (+) and TP03 (–) F-2754	F-2754 VR05	13 mV
R-ch	DC Volt Meter	Between TP02 (+) and TP04 (–) F-2754	F-2754 VR06	13 mV

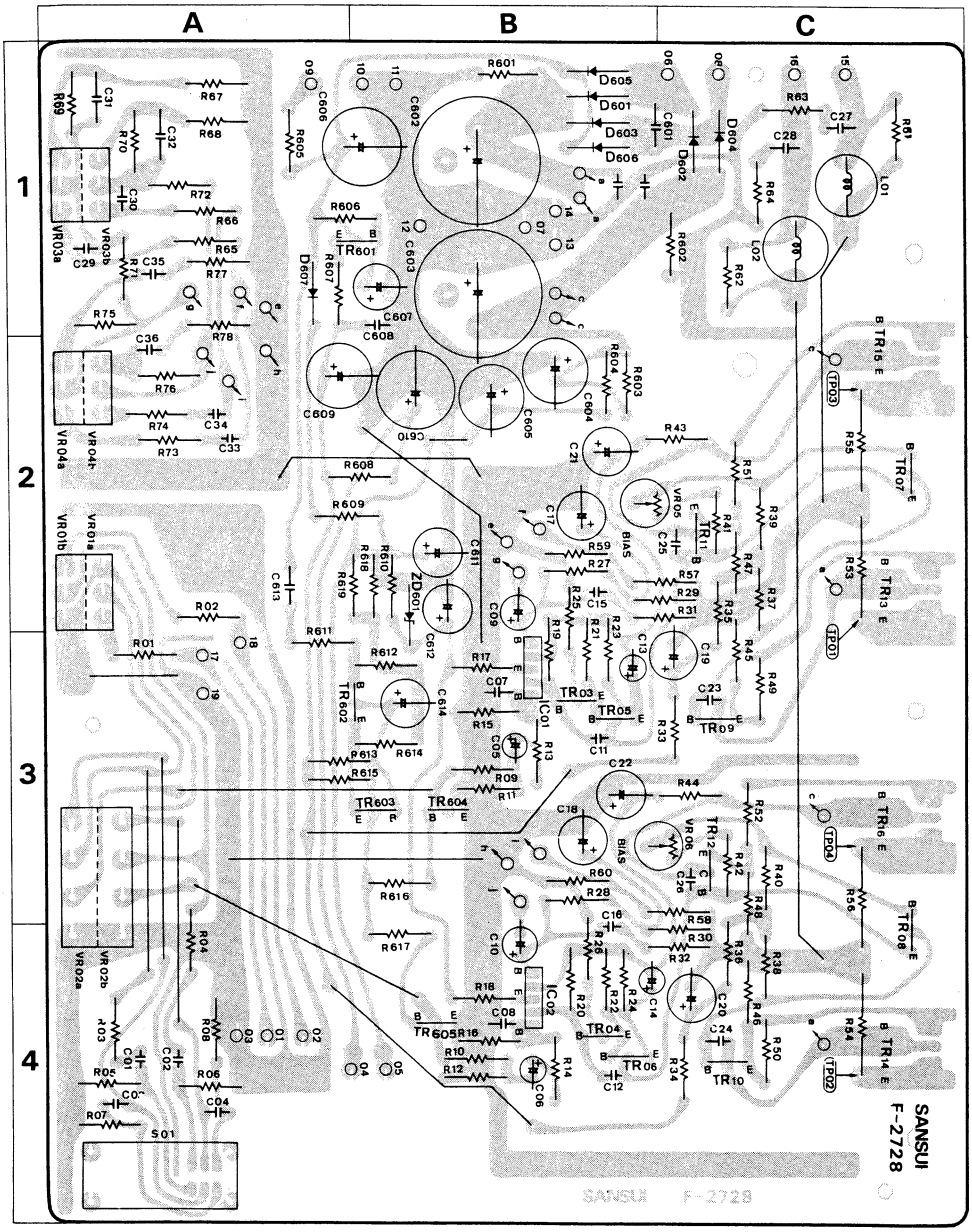
3. PARTS LOCATION & PARTS LIST

Since some of capacitors and resistors are omitted from parts lists in this Service Manual, refer to the common parts list for capacitors & resistors which was appended previously to each Sansui Manual

3-1. AU-117II

A) F-2728 Tone Control & Driver Circuit Board (Stock No. 7572221) (AU-117II Only)

Conductor Side

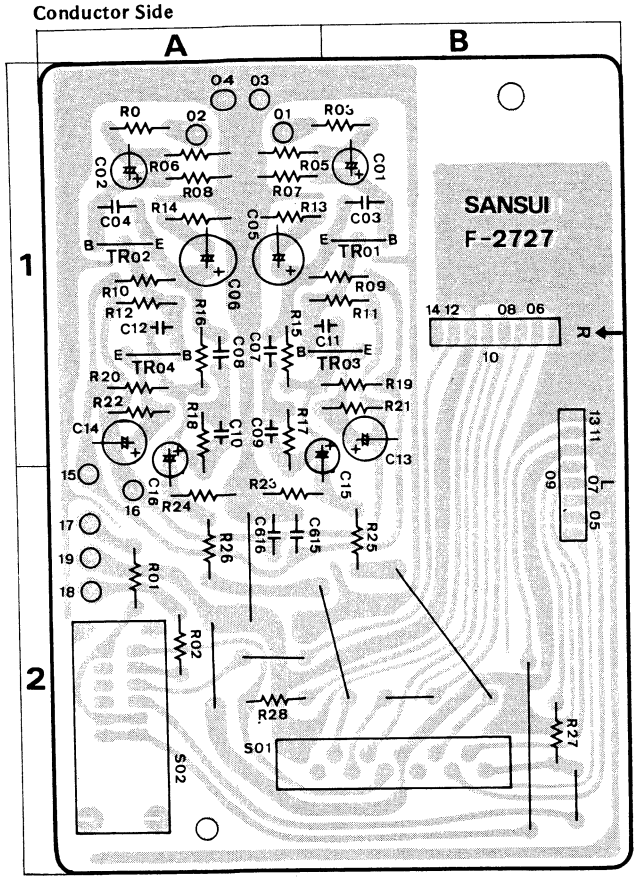


Parts List

Parts No.	Stock No.	Description	Position
•Transistor			
TR03, 04	0306740, 1	2SC1845 F	3B.4B
TR05, 06	0306740, 1	2SC1845 F	3B.4B
TR07, 08	0306070, 1	2SC1313 F, G	2C.4C
TR09, 10	0308520, 1	2SD438 D, E	3C.4C
TR11, 12	0303360, 1	2SB560MP D, E	2C.3C
TR13, 14	0306541, 2	2SC1986 O, Y	2C.4C
TR15, 16	0300911, 2	2SA771 (O), (Y)	1C.3C
TR601	0306740, 1	2SC1845 F, E	1B
TR602	0305951, 2	2SC945 Q, P	3B
TR603	0305951, 2	2SC945 Q, P	3B
TR604	0305951, 2	2SC945 Q, P	3B
TR605	0305951, 2	2SC945 Q, P	4B
•IC			
IC 01, 02	0360290, 1	2SA798 F, G	3B.4B
•Diode			
D 601	0310340	10D1	1B
D 602	0310340	10D1	1C
D 603	0310340	10D1	1B
D 604	0310340	10D1	1C
D 605	0310340	10D1	1B
D 606	0310340	10D1	1B
D 607	0311160	1S2473D	1A
•Zener Diode			
ZD601	0315970	EQA01-13R	2B
C 01, 02	0620391	390pF 50V P.C.	4A
C 601	0655103	10000pF 500V C.C.	1B
C 602	0549010	6800μF 35V E.C.	1B
C 603	0549010	6800μF 35V E.C.	1B
R 43, 44	0191101	100Ω 1/4W F.R.	2C.3C
R 45, 46	0191221	220Ω 1/4W F.R.	3C.4C
R 47, 48	0191221	220Ω 1/4W F.R.	2C.3C
R 49, 50	0191689	6.8Ω 1/4W F.R.	3C.4C
R 51, 52	0191689	6.8Ω 1/4W F.R.	2C.3C
R 53, 54	0212338	0.33Ω 2W N.I.R.	2C.4C
R 55, 56	0212338	0.33Ω 2W N.I.R.	2C.3C
R 603	0192681	680Ω 1/2W F.R.	2B
R 607	0191220	22Ω 1/4W F.R.	1A
R 608	0191181	180Ω 1/4W F.R.	2B
L 01, 02	4210290	1.5μH Inductor	1C
VR01	1015270, 1	250kΩ MN x 2 Volume, balance	2A
VR02	1011120, 1	250kΩ A x 2 Volume, master	3A
VR03	1015260, 1	100kΩ C x 2 Volume, bass	1A
VR04	1015260, 1	100kΩ C x 2 Volume, treble	2A
VR05, 06	1035050	470Ω B Volume, bias current	2B.3C
S 01	1171020	Lever Switch, loudness	4A

B) F-2727 Equalizer Circuit Board (Stock No. 7551491)(AU-117II Only)

Conductor Side



Parts List

Parts No.	Stock No.	Description	Position
•Transistor			
TR01, 02	0301090, 1	2SA992 F	1B.1A
TR03, 04	0306740, 1	2SC1845 F	1B.1A
S 01	1101800	Rotary Switch, input selector	2B
S 02	1171050	Lever Switch, tape monitor	2A

Note:
The circuit boards, F-2726, F-2729 & F-2731 are not supplied as the assembled, the individual parts on the circuit boards, however are provided for orders.

C) F-2726 Input Terminal Circuit Board (AU-117II Only)

Parts List

	Stock No.	Description
	2200580	4P Input Terminal, tuner, aux, tape
	2200600	2P Input Terminal, phono

D) F-2729 Filter Circuit Board (AU-117II Only)

Parts List

Parts No.	Stock No.	Description
S 01	1171020	Lever Switch, high filter

E) F-2731 Voltage Selector Circuit Board (AU-117II Only)

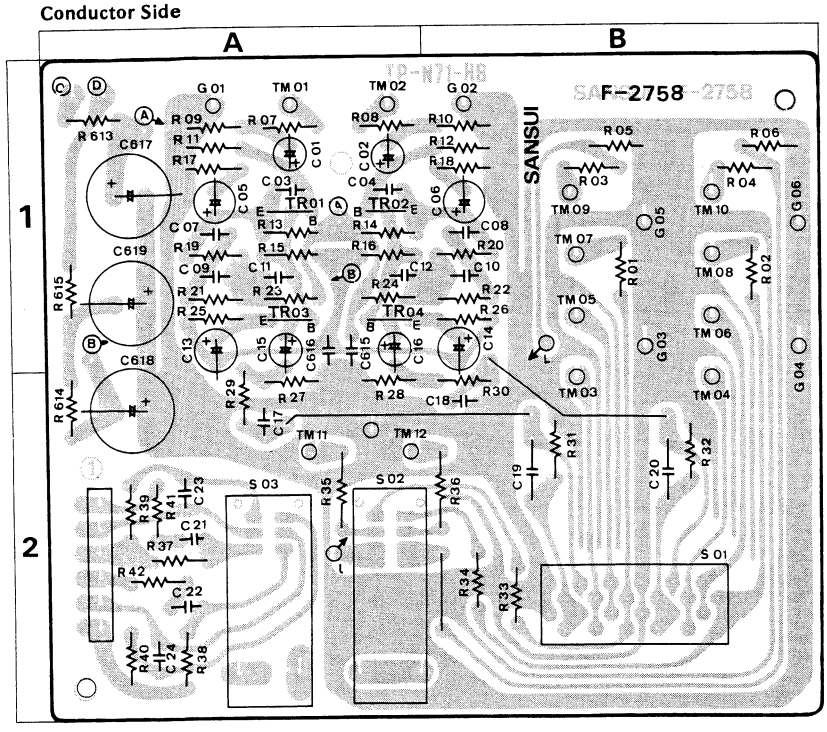
Parts List

Parts No.	Stock No.	Description
F 01	0432220	1A 250V AC Fuse
	0432240	2A 250V AC Fuse
	2310220	Fuse Holder (Large)

3-2. AU-217II

A) F-2758 Equalizer Circuit Board (Stock No. 7551481) (AU-217II Only)

Conductor Side

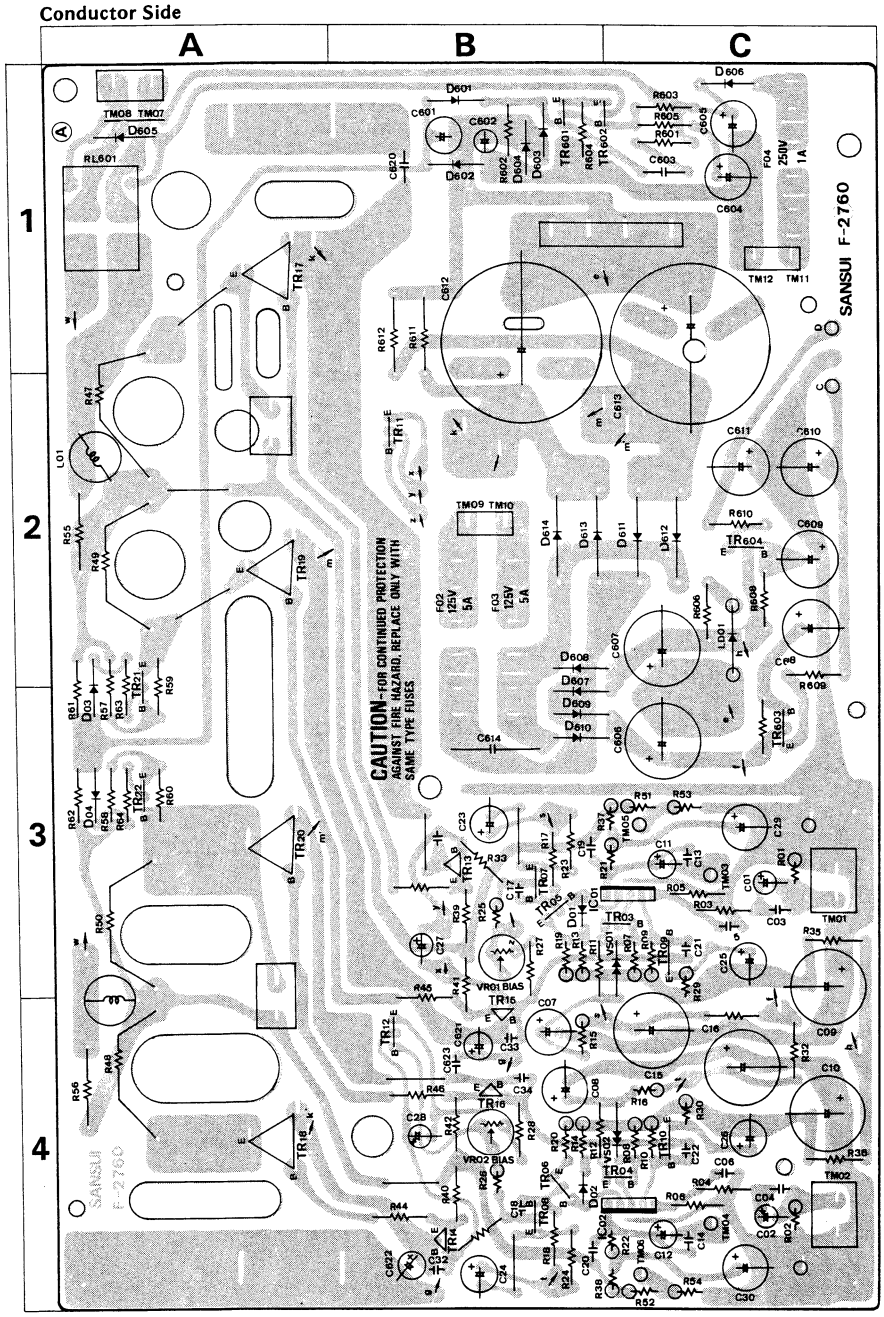


Parts List

Parts No.	Stock No.	Description	Position
•Transistor			
TR01, 02	0301090, 1	2SA992 F	1A
TR03, 04	0306740, 1	2SC1845 F	1A
C 17, 18	0620621	620pF 50V P.C.	2A.2B
C 21, 22	0620391	390pF 50V P.C.	2A
S 01	1102740	Rotary Switch, input selector	2B
S 02	1171030	Lever Switch, tape monitor	2A
S 04	1171020	Lever Switch, loudness	

B) F-2760 Power Amplifier Circuit Board (Stock No. 7572211) (AU-217II Only)

Conductor Side



Parts List

Parts No.	Stock No.	Description	Position
•Transistor			
TR03, 04	0300470, 1	2SA726 F, G	3C.4C
TR05, 06	0306740, 1	2SC1845 F, E	3B.4B
TR07, 08	0301090, 1	2SA992 F, E	3B.4B
TR09, 10	0306740, 1	2SC1845 F, E	3C.4C
TR11, 12	0306070, 1	2SC1313 F, G	2B.4B
TR13, 14	0308520, 1	2SD438 D, E	3B.4B
TR15, 16	0303360, 1	2SB560MP D, E	4B
TR17, 18	0308541, 2	2SD188A R, Q	1A.4A
TR19, 20	0303381, 2	2SB545A R, Q	2A.3A
TR21, 22	0305951, 2	2SC945 Q, P	2, 3A.3A
TR601	0305951, 2	2SC945 Q, P	1B
TR602	0305951, 2	2SC945 Q, P	1B, C
TR603	0308520, 1	2SD438 D, E	3C
TR604	0303360, 1	2SB560MP D, E	2C
•IC			
IC 01, 02	0360290, 1	2SA798 F, G	3C.4C
•Diode			
D 01, 02	0311160	1S2473D	3B.4B
D 03, 04	0311160	1S2473D	3A
D 601	0310400	1N34A	1B
D 602	0310400	1N34A	1B
D 603	0310400	1N34A	1B
D 604	0310400	1N34A	1B
D 605	0310340	10D1	1A
D 606	0310340	10D1	1C
D 607	0301340	10D1	3B
D 608	0310340	10D1	2B
D 609	0310340	10D1	3B
D 610	0310340	10D1	3B
D 611	0311530	30D2	2C
D 612	0311530	30D2	2C
D 613	0311530	30D2	2B
D 614	0311530	30D2	2B
•Varistor			
VS 01, 02	0340150	MV12	3C.4C
C 05, 06	0620101	100pF 50V P.C.	3C.4C
C 612	0549111	6800μF 50V E.C.	1B
C 613	0549111	6800μF 50V E.C.	1C
C 614	0603227	0.022μF 125V M.C.	3B
R 23, 24	0191820	82Ω 1/4W F.R.	3B.4B
R 29, 30	0193820	82Ω 1/4W F.R.	3C.4C
R 39, 40	0191221	220Ω 1/4W F.R.	3B.4B
R 41, 42	0191221	220Ω 1/4W F.R.	3B.4B
R 43, 44	0191689	6.8Ω 1/4W F.R.	4B
R 45, 46	0191689	6.8Ω 1/4W F.R.	4B
R 47, 48	0132338	0.33Ω 2W Ce.R.	2A.4A
R 49, 50	0132338	0.33Ω 2W Ce.R.	2A.3A
R 51, 52	0231302	3.0kΩ 1/2W M.R.	3C.4C
R 53, 54	0231241	240Ω 1/2W M.R.	3C.4C
R 606	0211222	2.2kΩ 1W N.I.R.	2C
R 611	0103682	6.8kΩ 1/2W C.R.	1B
R 612	0103682	6.8kΩ 1/2W C.R.	1B
L 01, 02	4210290	RF Coil 1.5μH	2A
RL601	1150400 1150480 1150490	Relay Relay Relay	1A
VR01, 02	1035050	470Ω B Volume, bias current	3B.4B
F 02, 03	0432290	5A 150V AC Fuse	2B
F 04	0432220	1A 250V AC Fuse	1C
	2030050	Power Transistor Socket	

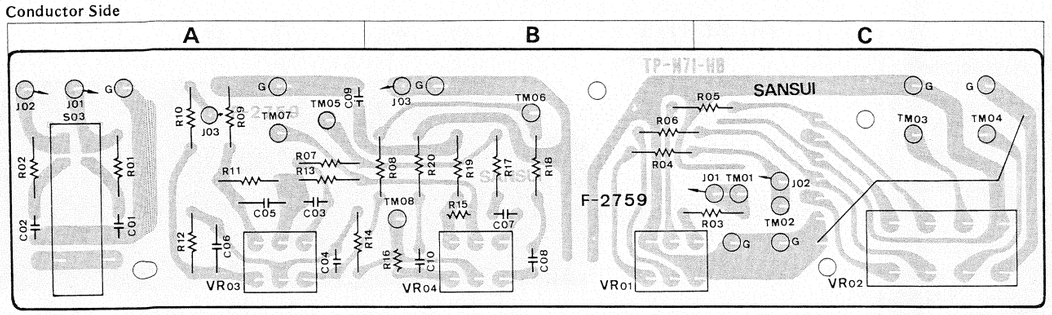
Abbreviations

C.R.	: Carbon Resistor	E.C.	: Electrolytic Capacitor
S.R.	: Solid Resistor	BP.E.C.	: Bi-Polar Electrolytic Capacitor
Ce.R.	: Cement Resistor		
M.R.	: Metal Film Resistor	C C.	: Ceramic Capacitor
		Mi.C.	: Mica Capacitor
F.R.	: Fusing Resistor	O.C.	: Oil Capacitor
N.I.R.	: Non-Inflammable Resistor	P.C.	: Polystyrene Capacitor
		T.C.	: Tantalum Capacitor
M.C.	: Mylar Capacitor		

AU-117II/AU-217II AU-317II

C) F-2759 Tone Control Circuit Board (Stock No. 7562791) (AU-217II Only)

Conductor Side



Parts List

Parts No.	Stock No.	Description	Position
VR01	1015270, 1	250kΩ MN x 2 Volume, balance	B
VR02	1011120, 1	250kΩ A x 2 Volume, master	C
VR03	1015260, 1	100kΩ C x 2 Volume, bass	A
VR04	1015260, 1	100kΩ C x 2 Volume, treble	B
S 04	1171020	Lever Switch, hi filter	

Note: The circuit boards, F-2757, F-2755 & F-2731 are not supplied as the assembled, the individual parts on the circuit boards, however are provided for orders.

D) F-2757 Input Terminal Circuit Board (AU-217II Only)

Parts List

Stock No.	Description
2200580	Input Terminal, tuner, aux, tape
2200600	Input Terminal, phono

E) F-2755 Output Connection Circuit Board (AU-217II Only)

Parts List

Parts No.	Stock No.	Description
R 01, 02	0211100	10Ω 1W N.I.R.
R 03, 04	0211221	220Ω 1W N.I.R.
J 01	2430350	Jack, headphone

F) F-2731 Voltage Selector Circuit Board (AU-217II Only)

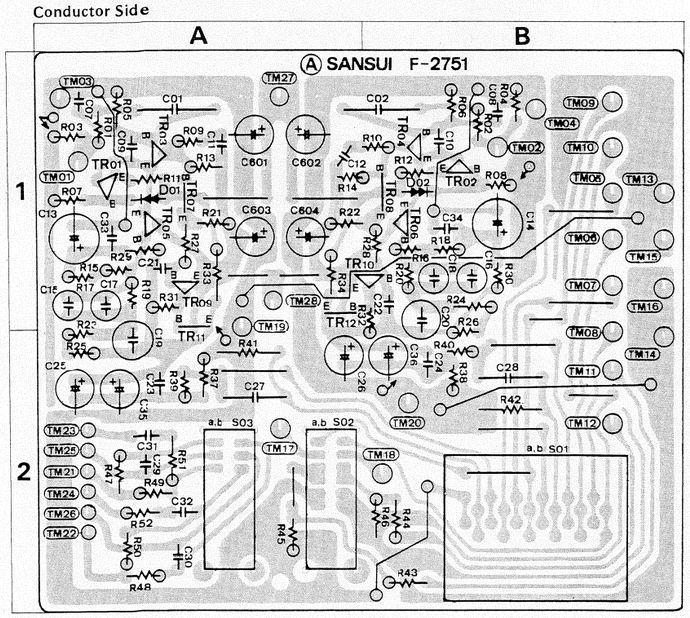
Parts List

Parts No.	Stock No.	Description
F 01	0432240	2A 250V AC Fuse
	0432260	3A 250V AC Fuse
	2310220	Fuse Holder (Large)

3-3. AU-317II

A) F-2751 Equalizer Circuit Board (Stock No. 7551501) (AU-317II Only)

Conductor Side

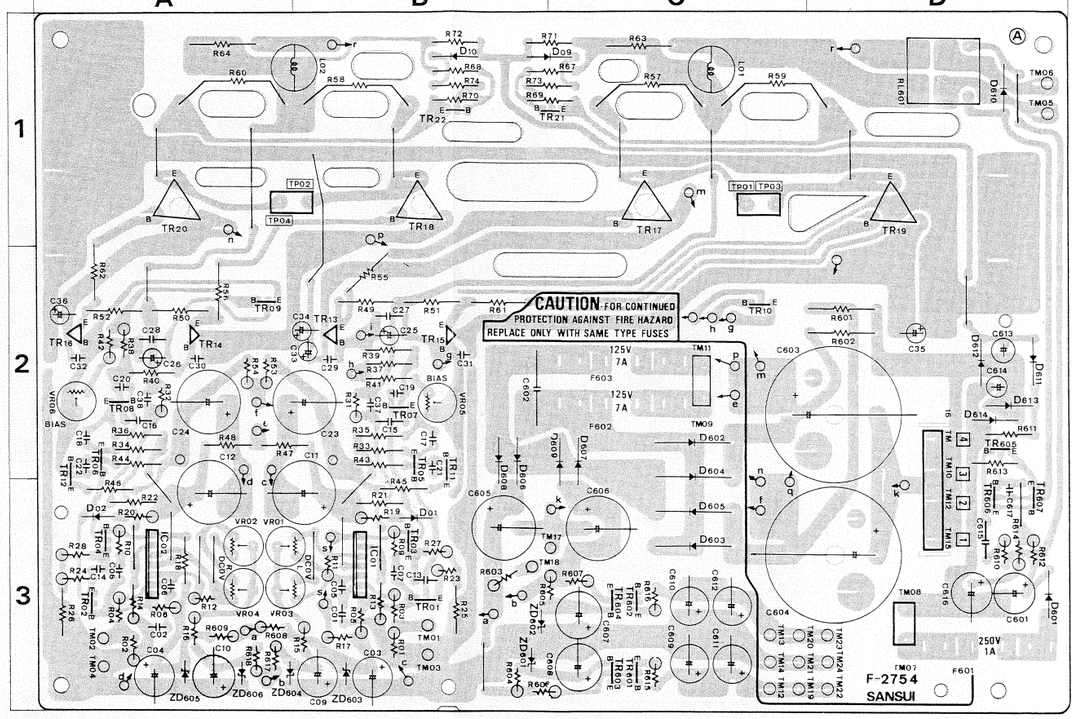


Parts List

Parts No.	Stock No.	Description	Position
•Transistor			
TR01, 02	0301090, 1	2SA992 F, E	1A,1B
TR03, 04	0301170, 1	2SA991 F, E	1A,1B
TR05, 06	0301170, 1	2SA991 F, E	1A,1B
TR07, 08	0306740, 1	2SC1845 F, E	1A,1B
TR09, 10	0306740, 1	2SC1845 F, E	1A,1B
TR11, 12	0303360, 1	2SB560MP D, E	1A
•Varistor			
D 01, 02	0340150	MV12	1A,1B
C 01, 02	0602109	1.0μF 100WV M.C.	1A,1B
C 07, 08	0620101	100pF 50V P.C.	1A,1B
C 11, 12	0620101	100pF 50V P.C.	1A
C 15, 16	0620151	150pF 50V P.C.	1A,1B
C 17, 18	0625272	2700pF 50WV P.C.	1A,1B
C 19, 20	0625103	10000pF 50WV P.C.	2A,1B
C 31, 32	0620391	390pF 50V P.C.	2A
R 15, 16	0231561	560Ω 1/2W M.R.	1A,1B
R 17, 18	0231220	22Ω 1/2W M.R.	1A,1B
R 19, 20	0231273	27kΩ 1/2W M.R.	1A,1B
R 23, 24	0231304	300kΩ 1/2W M.R.	2A,1B
R 25, 26	0231153	15kΩ 1/2W M.R.	2A,2B
R 33, 34	0103392	3.9kΩ 1/2W C.R.	1A
S 01	1102740	Rotary Switch, input selector	1B
S 02	1171030	Lever Switch, tape monitor	2A
S 03	1171020	Lever Switch, loudness	2A

B) F-2754 Power Amplifier Circuit Board (Stock No. 7572231) (AU-317II Only)

Conductor Side



Parts List

Parts No.	Stock No.	Description	Position
•Transistor			
TR01, 02	0306740, 1	2SC1845 F, E	3B,3A
TR03, 04	0306740, 1	2SC1845 F, E	3B,3A
TR05, 06	0301090, 1	2SA992 F, E	2B,2A
TR07, 08	0300760, 1	2SA917 1, 2	2B,2A
TR09, 10	0306070, 1	2SC1313 F, G	2A,2C
TR11, 12	0306360, 1	2SC1951 1, 2	2B,2A
TR13, 14	0308611, 2	2SD357 D, E	2B,2A
TR15, 16	0303441, 2	2SB527 D, E	2B,2A
TR17, 18	0306571, 2	2SC2261 O, Y	1C,1B
TR19, 20	0300951, 2	2SA981 O, Y	1D,1A
TR21, 22	0305951, 2	2SC945 Q, P	1C,1B
TR601	0308611, 2	2SD357 D, E	3C
TR602	0303441, 2	2SB527 D, E	3C
TR603	0306740, 1	2SC1845 F, E	3C
TR604	0301090, 1	2SA992 F, E	3C
TR605	0305951, 2	2SC945 Q, P	2D
TR606	0305951, 2	2SC945 Q, P	3D
TR607	0305951, 2	2SC945 Q, P	3D
•Ic			
IC 01, 02	0370281, 2	2SK109 D, E	3B,3A
•Diodes			
D 01, 02	0311160	1S2473D	3B,3A
D 09, 10	0311160	1S2473D	1B
D 601	0310340	10D1	3D
D 602	0311570	ERD03-02H	2C
D 603	0311570	ERD03-02H	3C
D 604	0311570	ERD03-02H	2C
D 605	0311570	ERD03-02H	3C
D 606	0310340	10D1	2B
D 607	0310340	10D1	2C
D 608	0310340	10D1	2B
D 609	0310340	10D1	2C
D 610	0310340	10D1	1D
D 611 ~ 14	0310400	1N34A	2D
•Zener Diode			
ZD601	0316110	EQA01-30R	3B
ZD602	0316110	EQA01-30R	3B
ZD603, 04	0316020	EQA01-18R	3B,3A
ZD605, 06	0316020	EQA01-18R	3A,3A
C 01, 02	0620101	100pF 50V P.C.	3B,3A
C 07, 08	0620271	270pF 50V P.C.	1B,3A
C 602	0605477	0.047μF 250V M.C.	2B
C 603	0549905	10000μF 56V E.C.	2D
C 604	0549905	10000μF 56V E.C.	3D
C 901, 02	0602109	1.0μF 100WV M.C.	
R 35, 36	0191820	82Ω 1/4W F.R.	2B,2A
R 45, 46	0191820	82Ω 1/4W F.R.	3B,3A
R 57, 58	0135338	0.33Ω 5W Ce.R.	1C,1B
R 59, 60	0135338	0.33Ω 5W Ce.R.	1C,1A
R 63, 64	0212229	2.2Ω 2W N.I.R.	1C,1A
R 601	0103822	8.2kΩ 1/2W C.R.	2D
R 602	0103822	8.2kΩ 1/2W C.R.	2D
R 603	0202272	2.7kΩ 2W N.I.R.	3B
L 01, 02	4210290	RF Coil 1.5μH	1C,1B
	1150400	Relay	
RL01	1150480	Relay	
	1150490	Relay	
VR01, 02	1034230	2.2kΩ B Volume, DC 0V	3A
VR03, 04	1034150	100Ω B Volume, DC 0V	3A
VR05, 06	1035070	1kΩ B Volume, bias current	2B
F 601	0432220	1A 250V AC Fuse	3D
F 602, 03	0432500	7A 125V AC Fuse	2C
	2030050	Power Transistor Socket	

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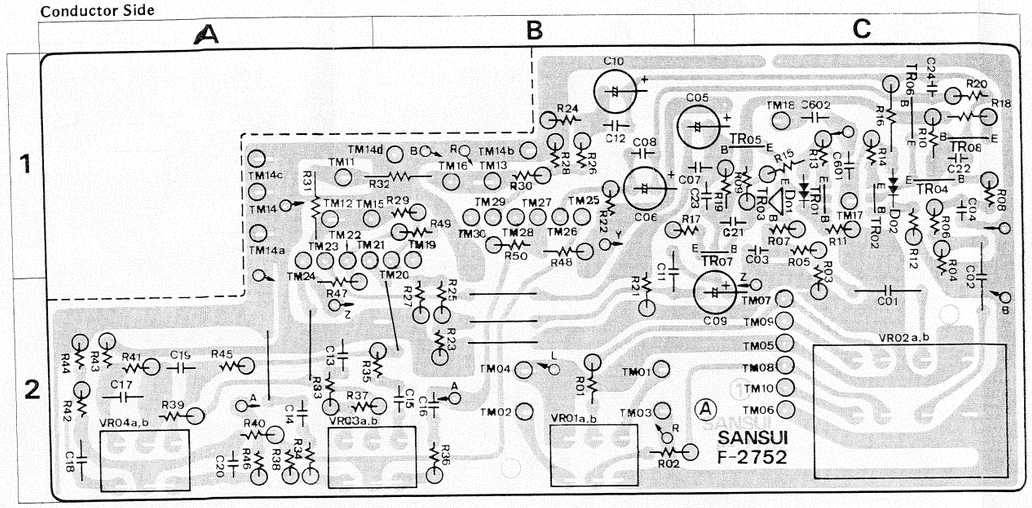
C) F-2752 Tone Control Circuit Board (Stock No. 7562801) (AU-317II Only)

Conductor Side

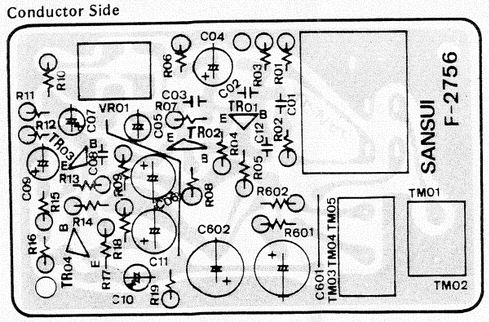


Parts List

Parts No.	Stock No.	Description	Position
•Transistor			
TR01, 02	0301090, 1	2SA992 F, E	1C
TR03, 04	0301170, 1	2SA991 F, E	1C
TR05, 06	0301170, 1	2SA991 F, E	1C
TR07, 08	0306740, 1	2SC1845 F, E	1C
•Varistor			
D 01, 02	0340150	MV12	1C
R 17, 18	0193680	68Ω 1/4W F.R.	1B,1C
VR01	1015320, 1	250kΩ MN x 2 Volume, balance	2B
VR02	1090290	150kΩ B x 2 Volume, master	2C
VR03	1015310, 1	100kΩ C x 2 Volume, treble	2A
VR04	1015310, 1	100kΩ C x 2 Volume, bass	2A

D) F-2756 Mic Amp Circuit Board (Stock No. 7610431) (AU-317II Only)

Conductor Side



Parts List

Parts No.	Stock No.	Description
•Transistor		
TR01	0301090, 1	2SA992 F, E
TR02	0306740, 1	2SC1845 F, E
TR03	0301090, 1	2SA992 F, E
TR04	0306740, 1	2SC1845 F, E
R 601, 602	0193121	120Ω 1/4W F.R.
VR01	1090270	20kΩ (A) Volume, mixing level
J 01	2430330	Jack Mic

Note: The circuit boards, F-2750, F-2768, F-2753 & F-2731 are not supplied as the assembled, the individual parts on the circuit boarts, however are provided for orders.

E) F-2750 Input Terminal Circuit Board (AU-317II Only)

Parts List

Parts No.	Stock No.	Description
	2200580	Input Terminal, tuner, aux, tape
	2200600	Input Terminal, phono

F) F-2768 Output Connection Circuit Board (AU-317II Only)

Parts List

Parts No.	Stock No.	Description
R 01, 02	0212221	220Ω 2W N.I.R.
R 03, 04	0202100	10Ω 2W N.I.R.
J 01	2430350	Jack, headphone

G) F-2753 Filter Circuit Board (AU-317II Only)

Parts List

Parts No.	Stock No.	Description
S 01	1171040	Lever Switch, tone defeat
S 02	1171020	Lever Switch, high filter

H) F-2731 Voltage Selector Circuit Board (AU-317II Only)

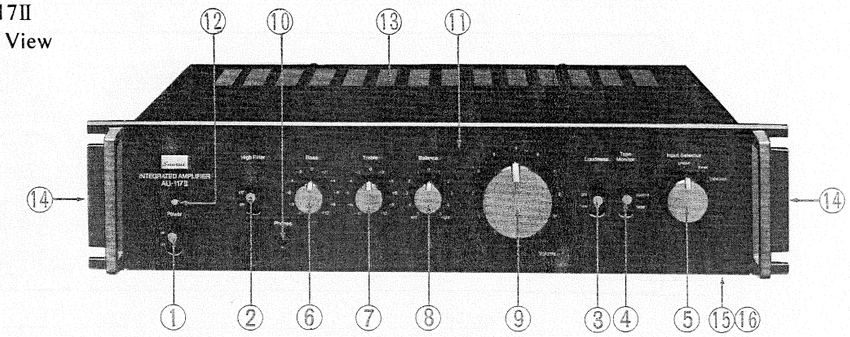
Parts List

Parts No.	Stock No.	Description
F 01	0432260	3A 250V AC Fuse
	0432290	5A 125V AC Fuse
	2310220	Fuse Holder (Large)

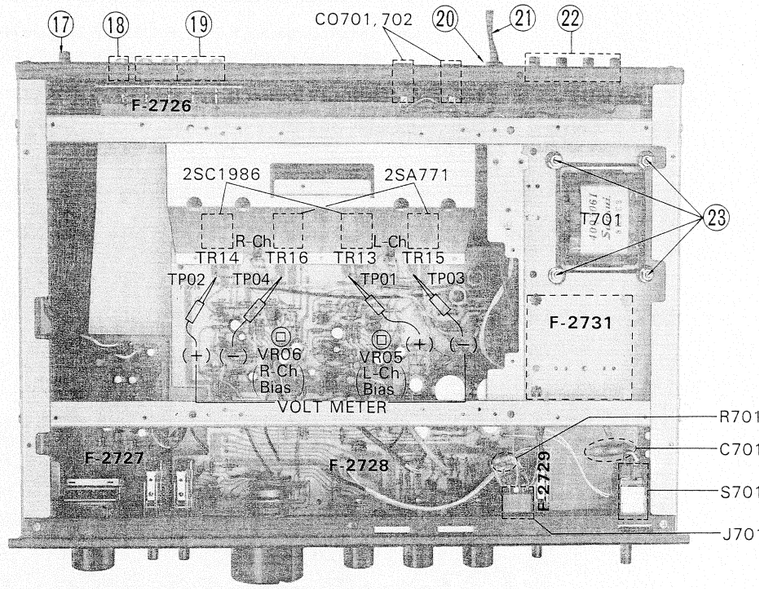
4. OTHER PARTS

4-1. AU-117II

Front View



Bottom View



Parts List <Front & Bottom View>

Parts No.	Stock No.	Description
1	5326612	Lever Switch Knob
	1172000	Lever Switch, power
2	5326612	Lever Switch Knob
	1171020	Lever Switch, high filter
3	5326612	Lever Switch Knob
	1171020	Lever Switch, loudness
4	5326612	Lever Switch Knob
	1171050	Lever Switch, tape monitor
5	5318920	M-10 TY Knob
	1101800	Rotary Switch, input selector
	5048040	Masking Sheet (B)
6	5318930	S-14 TY Knob
	1015260, 1	100kΩ (C) x 2 Bass Volume
	5048020	Masking Sheet (D)
7	5318930	S-14 TY Knob
	1015260, 1	100kΩ (C) x 2 Treble Volume
	5048020	Masking Sheet (D)
8	5318930	S-14 TY Knob
	1015270, 1	250kΩ (MN) x 2 Balance Volume
	5048020	Masking Sheet (D)
9	5318910	Volume Knob
	1011120, 1	250kΩ x 2 Volume
	5048050	Masking Sheet (A)
	5288962	Plate For VR (M8)
10	2430300	Head Phone Jack
11	7008250	Front Panel Ass'y
	0319120	LED
12	0319120	LED
13	5006920	Bonnet
14	5396700	Rack-mounting Adaptor (each)
15	5058773	Bottom Plate
16	5507350	Leg
17	2230150	Ground Terminal
18	2200580	Input Terminal, tuner, aux, tape
19	2200600	Input Terminal, phono
20	3910600	Strain Relief
21	3800470	Power Cord
22	2210410	Speaker Terminal
23	5110903	Flange Nut

Parts No.	Stock No.	Description
•Transistor		
TR13, 14	0306541, 2	2SC1986 O, Y
TR15, 16	0300911, 2	2SA771 O, Y
C 701	0659811	0.01μF 125V C.C.
R 701, 702	0201221	220Ω 1W N.I.R.
CO701, 702	2450070	AC Outlet
T 701	4003060	Power Transformer
J 701	2430300	Head Phone Jack
S 701	1172000	Power Switch

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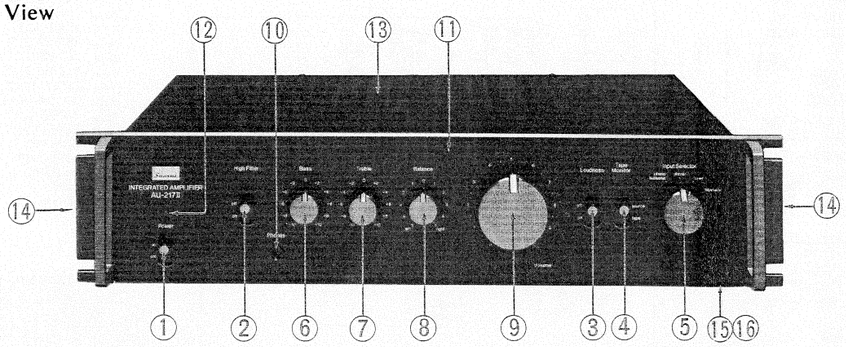
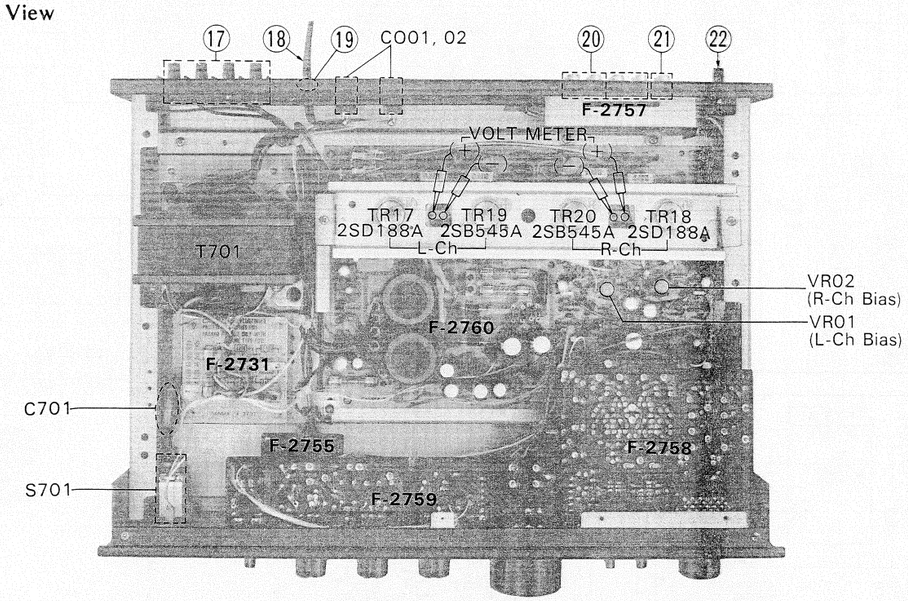
4-2. AU-217II

Front View



Top View

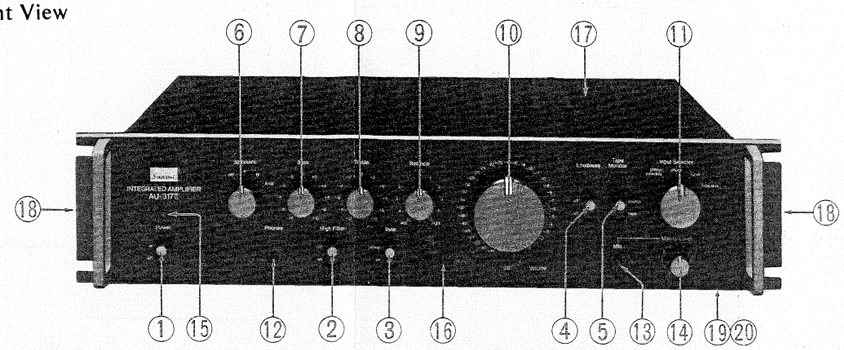


Parts List 〈Front & Top View〉

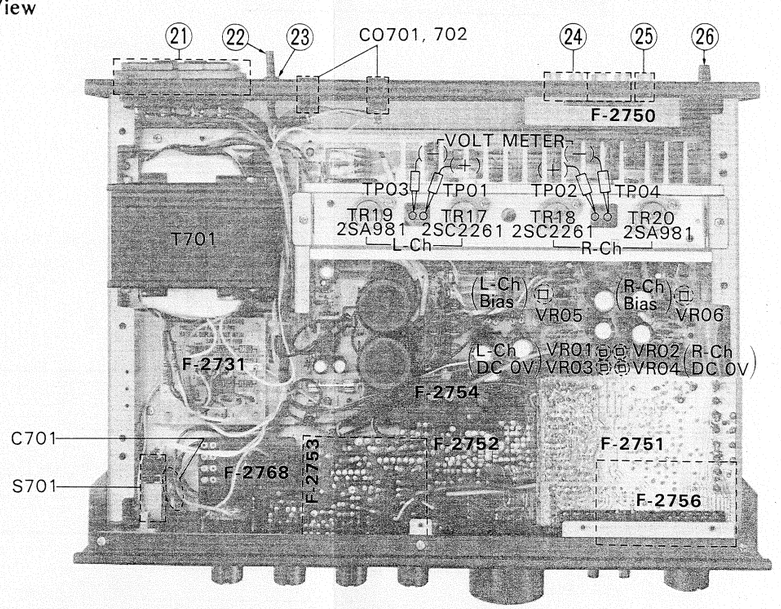
Parts No.	Stock No.	Description
1	5326612	Lever Switch Knob, power
	1172000	Lever Switch, power
2	5326612	Lever Switch Knob, high filter
	1171020	Lever Switch, high filter
3	5326612	Lever Switch Knob, loudness
	1171020	Lever Switch, loudness
4	5326612	Lever Switch Knob, tape monitor
	1171030	Lever Switch, tape monitor
5	5318920	M-10 TY Knob, input selector
	1102740	Rotary Switch, input selector
	5048040	Masking Sheet (B)
6	5318930	S-14 TY Knob, bass volume
	1015260, 1	100kΩ (C) x 2 Bass Volume
	5048020	Masking Sheet (D)
7	5318930	S-14 TY Knob, treble volume
	1015260, 1	100kΩ (C) x 2 Treble Volume
	5048020	Masking Sheet (D)
8	5318930	S-14 TY Knob, balance volume
	1015270, 1	250kΩ (MN) x 2 Balance Volume
	5048020	Masking Sheet (D)
9	5318910	Volume Knob
	1011120, 1	250kΩ x 2 Volume
	5048050	Masking Sheet (A)
	5288962	Plate (M8), volume
10	2430350	Head Phone Jack
11	7008210	Front Panel Ass'y
	0319120	LED
12	0319120	LED
13	5006930	Bonnet
14	5396700	Rack-mounting Adaptor (each)
15	5058762	Bottom Plate
16	5507350	Leg
17	2210410	Speaker Terminal
18	3800470, 1	Power Cord
19	3910600	Strain Relief
20	2200580	Input Terminal, tuner, aux, tape
21	2200600	Input Terminal, phono
22	2230150	Ground Terminal
	5288721	Plate D03, D04 on F-2760
•Transistor		
TR17, 18	0308541, 2	2SD188A R, Q
TR19, 20	0303381, 2	2SB545A R, Q
C 701	0659811	0.01μF 125V C.C.
T 701	4003050	Power Transformer
S 701	1172000	Power Switch
CO701, 702	2450070	AC Outlet

4-3. AU-317II

Front View



Top View



Parts List 〈Front & Top View〉

Parts No.	Stock No.	Description
1	5326612	Lever Switch Knob, power
	1172010	Lever Switch, power
2	5326612	Lever Switch Knob, high filter
	1171020	Lever Switch, high filter
3	5326612	Lever Switch Knob, tone defeat
	1171040	Lever Switch, tone defeat
4	5326612	Lever Switch Knob, loudness
	1171020	Lever Switch, loudness
5	5326612	Lever Switch Knob, tape monitor
	1171030	Lever Switch, tape monitor
6	5318930	S-14 TY Knob, speakers
	1101560, 1	Rotary Switch, speakers
	5048030	Masking Sheet (C)
7	5318930	S-14 TY Knob, bass volume
	1015310, 1	100kΩ (C) x 2 Bass Volume
	5048030	Masking Sheet (C)
8	5318930	S-14 TY Knob, treble volume
	1015310, 1	100kΩ (C) x 2 Treble Volume
	5048030	Masking Sheet (C)
9	5318930	S-14 TY Knob, balance volume
	1015320, 1	250kΩ (MN) x 2 Balance Volume
	5048030	Masking Sheet (C)
10	5318910	Volume Knob
	1090290	150kΩ x 2 Volume
	5048050	Masking Sheet (A)
	5236741	Plate (M9), volume
11	5318920	M-10 TY Knob, input selector
	1102740	Rotary Switch, input selector
	5048040	Masking Sheet (B)
12	2430350	Jack, headphone
13	2430330	Mic Jack
14	5318940	E-18 TY Knob, mic mixing level volume
	5048040	Masking Sheet (B)
	1090270	20kΩ (A) Mic Mixing Level Volume
15	0319120	Light Emitted Diode
16	7008230	Front Panel Ass'y
	0319120	LED
17	5006930	Bonnet
18	5396700	Rack-mounting Adaptor (each)
19	5058762	Bottom Plate
20	5507350	Leg
21	2290190	Speaker Terminal
22	3800470, 1	Power Cord
23	3910600	Strain Relief
24	2200580	Input Terminal, tuner, aux, tape
25	2200600	Input Terminal, phono
26	2230150	Ground Terminal
	5288721	Plate, D09, D10 on F-2754
•Transistor		
TR17, 18	0306571, 2	2SC2261 O, Y
TR19, 20	0300951, 2	2SA981 O, Y
C 701	0659811	0.01μF 125V C.C.
T 701	4003040	Power Transformer
CO701, 702	2450070	AC Outlet
F 701	0431280	5A 250V AC Fuse
S 701	1172000	Power Switch

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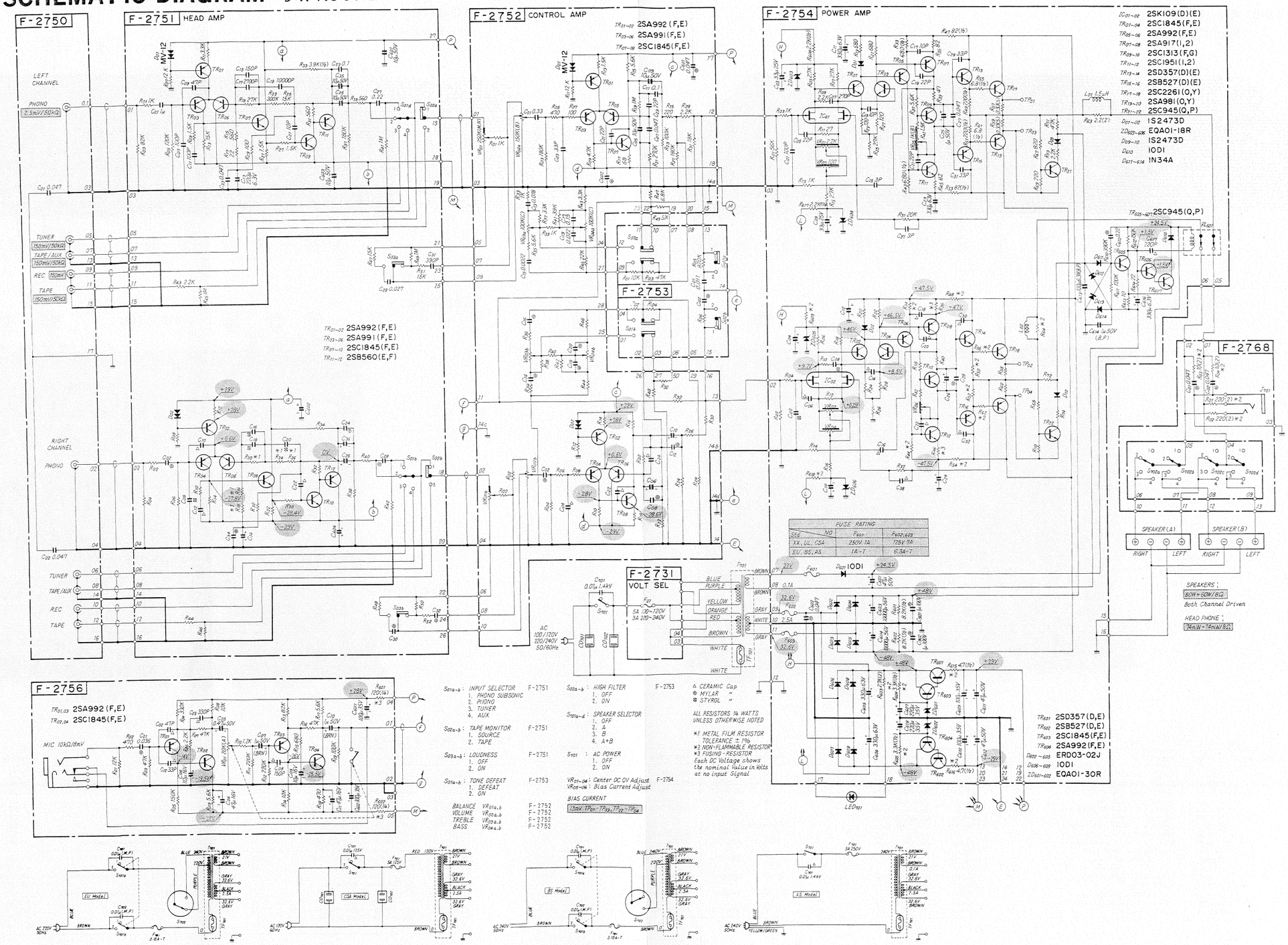
AU-317II

- Design and specifications subject to change without notice for improvement.
- La présentation et les spécifications sont susceptibles d'être modifiées sans préavis par suites d'améliorations éventuelles.
- Änderungen, die dem technischen Fortschritt dienen, bleiben vorbehalten.

5. SCHEMATIC DIAGRAM 5-1. AU-317II



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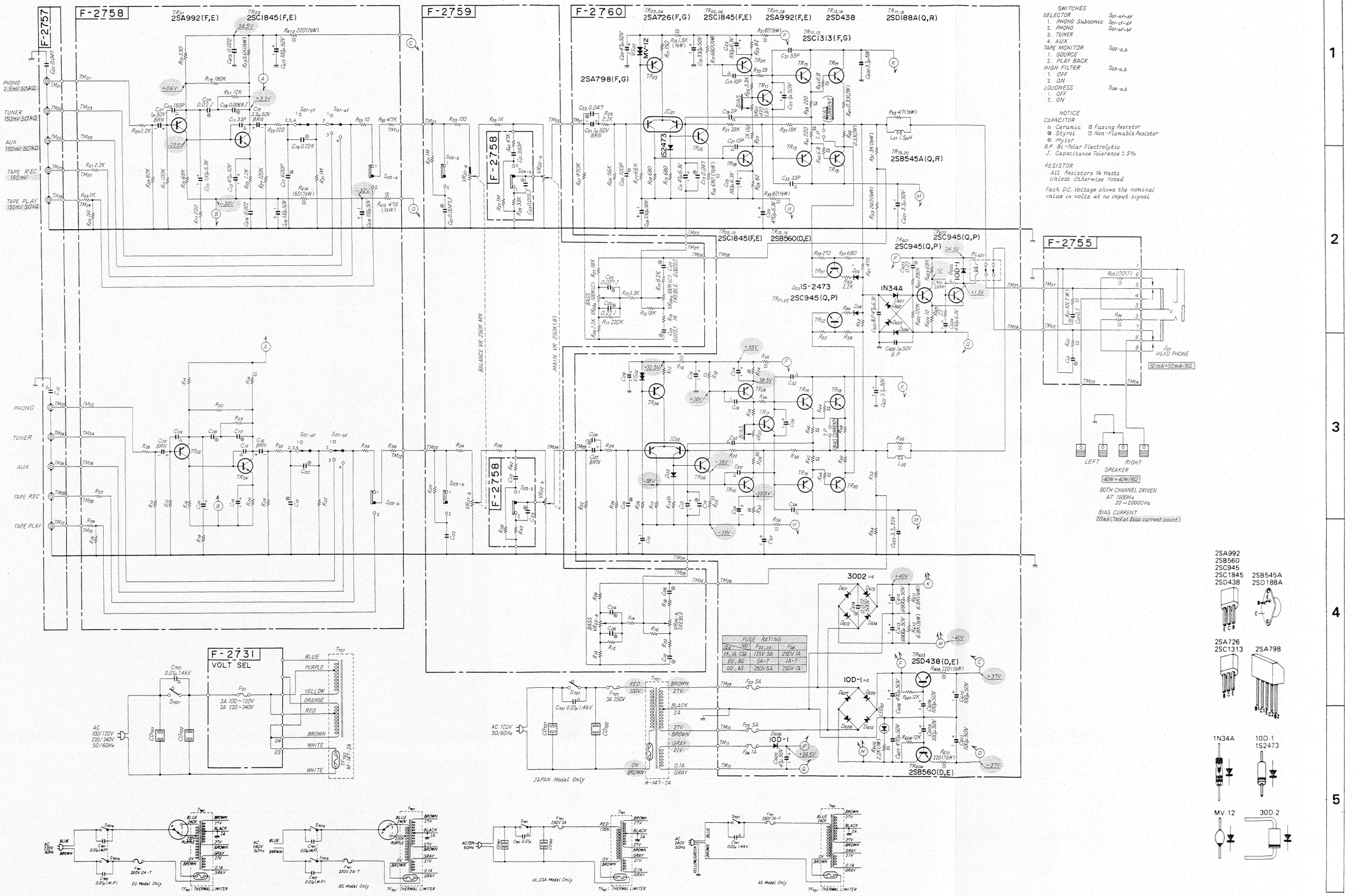
A | B | C | D | E | F | G | H

1 | 2 | 3 | 4 | 5

5-2. AU-217II



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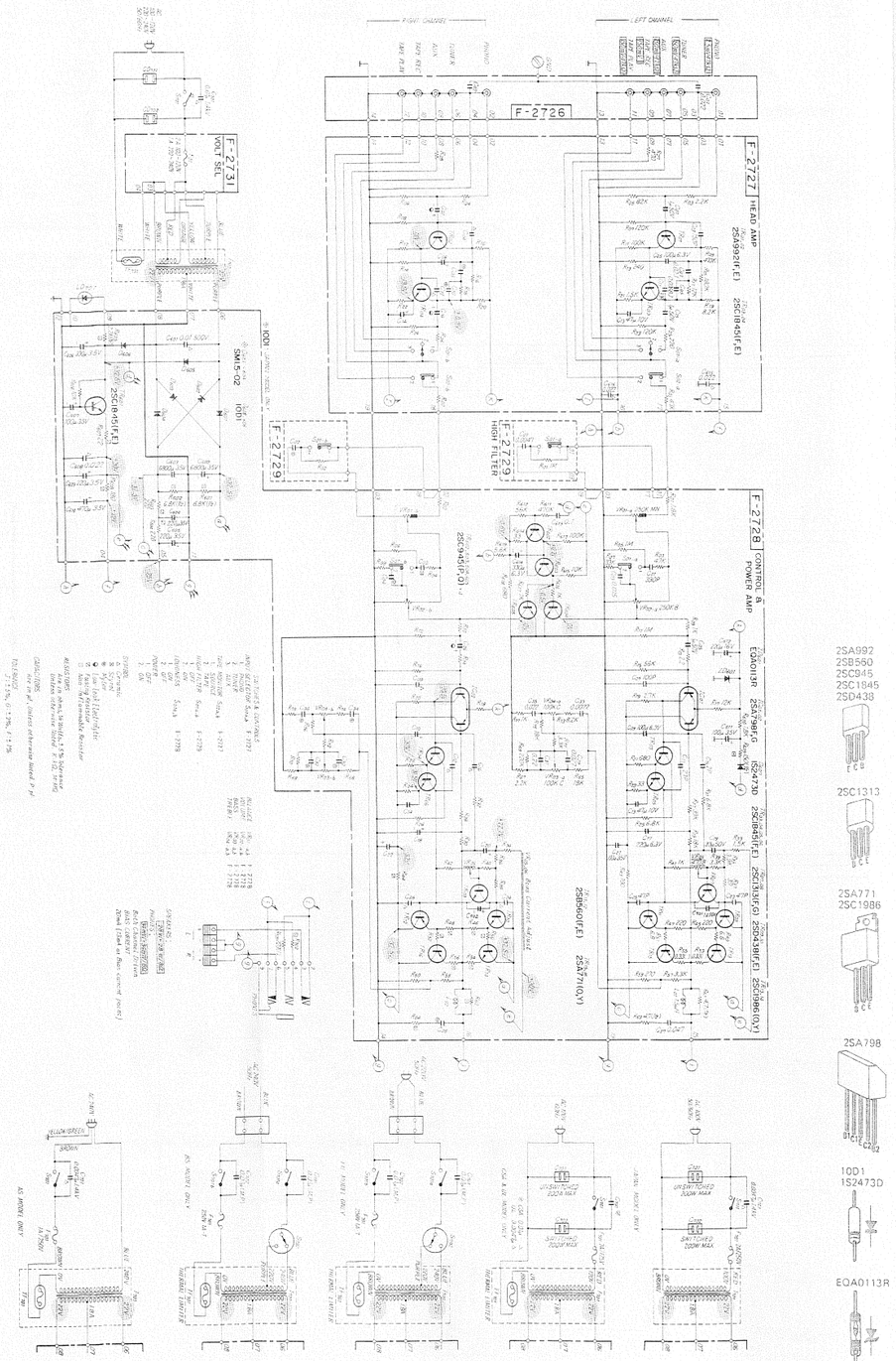
AU-317II

A B C D

1 2 3 4 5

5-3. AU-117II



6. PACKING LIST

6-1. AU-117II

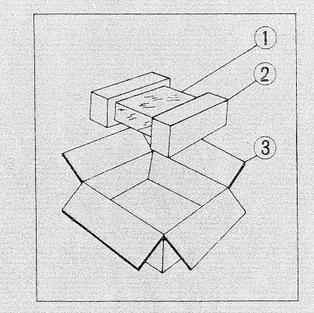
Parts No.	Stock No.	Description
1	9116760	Vinyl Cover
2	9028081	Styrofoam Packing
3	9001720	Carton Case

6-2. AU-217II

Parts No.	Stock No.	Description
1	9116760	Vinyl Cover
2	9028081	Styrofoam Packing
3	9001740	Carton Case

6-3. AU-317II

Parts No.	Stock No.	Description
1	9116760	Vinyl Cover
2	9028081	Styrofoam Packing
3	9001760	Carton Case



7. ACCESSORY PARTS LIST

7-1. AU-117II

Stock No.	Description
9204520	Operating Instructions
5396700	Rack-mounting Adaptor (each)
9116830	Vinyl Bag For Rack-mounting Adaptor
9238120	Schematic Diagram

7-2. AU-217II

Stock No.	Description
9204530	Operating Instructions
5396700	Rack-mounting Adaptor (each)
9116830	Vinyl Bag For Rack-mounting Adaptor
9238130	Schematic Diagram

7-3. AU-317II

Stock No.	Description
9204540	Operating Instructions
5396700	Rack-mounting Adaptor (each)
9116830	Vinyl Bag For Rack-mounting Adaptor
9238140	Schematic Diagram

Sansui

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